

WHAT IS CLAIMED IS:

1. An information processing apparatus  
comprising:

5 a display device capable of changing a display  
brightness;

means for detecting a peripheral illuminance of  
the display device;

means for setting the display brightness of the  
display device in accordance with the detected  
10 illuminance;

means for correcting the set display brightness;  
and

means for changing a brightness correction amount  
corrected in accordance with the detected illuminance.

15 2. An apparatus according to claim 1, wherein the  
means for setting the display brightness determines the  
brightness of the display device on the basis of a  
predetermined brightness setting pattern which defines  
a brightness change amount in a change of illuminance,  
20 and sets the display brightness of the display device  
in accordance with the illuminance detected by the  
means for detecting the illuminance.

25 3. An apparatus according to claim 2, wherein the  
means for changing the correction amount comprises  
correction brightness setting patterns in which the  
brightness change amount to the change in illuminance  
is changed stepwise from the predetermined brightness

setting pattern at a predetermined ratio, and means for selecting one of the correction brightness setting patterns, and the means for correcting corrects a variable brightness amount to the change in

5 illumination by means for adjusting the display brightness in accordance with the brightness change amount to the change in illuminance that is defined in the selected correction brightness setting pattern.

4. An apparatus according to claim 3, wherein the  
10 means for setting the display brightness has a plurality of sets of correction brightness setting patterns for respective brightness conversion characteristics, and the means for selecting further comprises a graphic user interface which is displayed  
15 on the display device so as to be able to select each of the plurality of sets of correction brightness setting patterns prepared in the means for setting.

5. An apparatus according to claim 4, wherein the graphic user interface displays a graph of each set of  
20 correction brightness setting patterns to be selected by the means for selecting, so as to be able to select each set.

6. An apparatus according to claim 5, wherein the means for selecting includes means for performing, by  
25 predetermined key input operation, selection of the set of correction brightness setting patterns and selection of a correction brightness setting pattern in the

selected set.

7. An information processing apparatus  
comprising:

5 a display device capable of changing a display  
brightness;

means for detecting a peripheral illuminance of  
the display device;

means for setting the display brightness of the  
display device in accordance with the illuminance  
10 detected by the illuminance means for detecting;

means for changing the display brightness within a  
predetermined brightness range using the set display  
brightness as a reference; and

means for determining the predetermined brightness  
15 range changed by the means for changing in accordance  
with the detected illuminance.

8. An apparatus according to claim 7, further  
comprising

20 means for storing a plurality of correction  
patterns which define the predetermined brightness  
range,

means for selecting a correction pattern from the  
plurality of patterns, wherein

25 the means for determining the predetermined  
brightness range determines the predetermined  
brightness range in accordance with the correction  
pattern selected by the means for selecting and the

illuminance detected by the means for detecting.

9. An apparatus according to claim 7, wherein the means for changing can change the brightness stepwise with a predetermined change width within the  
5 predetermined brightness range.

10. An apparatus according to claim 9, wherein the predetermined change width is changed in accordance with the illuminance.

11. An information processing apparatus  
10 comprising:

a display device capable of changing a display brightness;

means for detecting a peripheral illuminance of the display device;

15 means for setting the display brightness of the display device in accordance with the illuminance detected by the illuminance means for detecting;

means for changing the display brightness with a predetermined brightness width using the set display  
20 brightness as a reference; and

means for determining the predetermined brightness width changed by the means for changing in accordance with the detected illuminance.

12. A brightness adjustment method for a display  
25 device capable of changing a display brightness, comprising:

acquiring a peripheral illuminance of the display

device;

setting the display brightness of the display  
device in accordance with the acquired illuminance;

correcting the set display brightness; and

5 changing a brightness correction amount corrected  
in accordance with the acquired illuminance.

13. A brightness adjustment method for a display  
device capable of changing a display brightness,  
comprising:

10 acquiring a peripheral illuminance of the display  
device;

setting the display brightness of the display  
device in accordance with the acquired illuminance;

15 changing the display brightness within a  
predetermined brightness range using the set display  
brightness as a reference; and

determining the predetermined brightness range  
changed in accordance with the acquired illuminance.

14. A brightness adjustment method for a display  
20 device capable of changing a display brightness,  
comprising:

acquiring a peripheral illuminance of the display  
device;

25 setting the display brightness of the display  
device in accordance with the acquired illuminance;

changing the display brightness with a predeter-  
mined brightness width using the set display brightness

as a reference; and

determining the predetermined brightness width  
changed in accordance with the acquired illuminance.